

II. CLAIM AMENDMENTS

1. (Cancelled)

2. (Currently Amended) The contacting part according to ~~claim 1~~claim 23, characterized in that the ~~tabs~~clips have an L-shaped profile, ~~the~~the said contact ends of which ~~form~~forming an inner rim providing the electrical contact between the male contacting portion and the female contacting portion.

3. (Currently Amended) The contacting part according to ~~claim 1~~claim 23, characterized In that the resilient ~~tabs~~clips have a determined length and longitudinally extend over said third cylindrical portion so that their free ends come into place in front of the ~~entrance~~aperture of the housing.

4. (Currently Amended) The contacting part according to ~~claim 1~~claim 23, ~~characterized in that it includes~~further comprising a protective sleeve, essentially of tubular shape, surrounding the contact clips and including an aperture allowing the passage of the male contacting portion, the protective sleeve ~~is being~~is being force-fitted and set on ~~at~~a cylindrical span of the body of the female contacting portion.

5. (Original) The contacting part according to claim 4, characterized in that the protective sleeve is force-fitted and set on the annular crown.

6. (Currently Amended) The contacting part according to claim 4, characterized in that the dimensions of the aperture of the protective sleeve are such that ~~they~~ the protective sleeve aperture does ~~do~~ not allow the introduction of a male contacting portion with a diameter larger than the diameter of the housing.

7. (Original) The contacting part according to claim 4, characterized in that the inner dimensions of the protective sleeve are such that they provide sufficient clearance for the contact clip so as to receive the male contacting portion.

8. (Original) The contacting part according to claim 4, characterized in that the protective sleeve allows the clearance of the contact clip to be limited to a maximum acceptable value.

9. (Original) The contacting part according to claim 4, characterized in that the aperture of the protective sleeve has a shape allowing it to facilitate the introduction and guidance of the male contacting portion.

10. (Currently Amended) ~~The~~ contacting part according to ~~claim 1~~ claim 23, characterized in that the ends of the tabs form in an inlet cone, the dimensions of which determine a certain number of fundamental features of the contacting parts.

11. (Currently Amended) The contacting part according to ~~claim 1~~ claim 23, characterized in that the diameter of the

housing is defined relatively to the diameter of the male contacting portion in order to provide a sliding assembly, the male contact being guided into the housing.

12. (Currently Amended) The contacting part according to ~~claim 1~~ claim 23, characterized in that the annular crown is force-fitted and set onto the cylindrical portion of the body of the female contacting portion.

13. (Currently Amended) The contacting part according to ~~claim 1~~ claim 23, ~~characterized in that~~ wherein the body of the female contacting portion comprises windows on the third cylindrical portion for providing lateral access to the housing, the resilient ~~tabs~~ contact clips ~~have~~ having a determined length so that ~~their~~ the free ends of the resilient clips are located behind the aperture of the housing, the resilient clips longitudinally extending along an external surface of the third cylindrical portion located between the second cylindrical portion and said windows, said contact ends of the resilient tabs providing the contact with the male contacting portion through said windows provided in the ~~body of the female contacting~~ third cylindrical portion and opening onto the housing.

14. (Original) The contacting part according to claim 13, characterized in that an external protective sleeve improving the tightening of the annular crown end protecting the resilient tabs from mechanical aggression may be fixed onto the body of the female contacting portion.

15. (Original) The contacting part according to claim 2, characterized in that the L-shape of the resilient tabs limits the risk of pulling out the contact clip.

16. (Currently Amended) The contacting part according to ~~claim 1~~ claim 23, characterized in that the contact clip and the body of the female contacting portion are made of different materials.

17. (Original) The contacting part according to claim 3, characterized in that the contact clip is made of a high performance alloy combining resilient and conducting properties.

18. (Original) The contacting part according to claim 16, characterized in that the body of the female contacting portion is made of a conventional conducting alloy.

19. (Original) The contacting part according to claim 13, characterized in that the contact clip and the body of the female contacting portion are made of different materials.

20. (Original) The contacting part according to claim 13, characterized in that the contact clip is made of a high performance alloy combining resilient and conducting properties.

21. (Original) The contacting part according to claim 13, characterized in that the body of the female contacting portion is made of a conventional conducting alloy.

22. (Currently Amended) A connector, characterized in that it includes at least one contacting part according to ~~claim~~ claim 23.

23. (New) A contacting part consisting of a male contacting portion having a determined external diameter and of a female contacting portion part, the female contacting part consisting of a body having a longitudinal axis of symmetry and an end for receiving the male contacting portion, said receiving end being provided with a housing axially positioned in said body and compatible with the shape and the dimensions of said male contacting portion, wherein said body comprises along said longitudinal axis of symmetry:

- a first cylindrical portion;

- a second cylindrical portion, between said first cylindrical portion and said housing;

- a third cylindrical portion that surrounds said housing, said third cylindrical portion having, at an end away from the second cylindrical portion an aperture for the housing; and

- an annular crown that is in electrical contact with an external surface of said second cylindrical portion;

- said annular crown being provided with at least two contact clips joined to the annular crown and longitudinally extending along an external surface of the third cylindrical portion, each contact clip

further comprising a forward transverse contact tab having a contact end arranged so as to be interposed on the path for inserting the male contacting element into the housing, said contact ends circumscribing a narrow circular aperture having an inner diameter smaller than the inner diameter of the housing and than the external diameter of the male contacting portion, so that said contact ends of the forward transverse contact tabs achieve an electrical contact with the male contacting portion.